

In the claims:

Claims 1-4 cancelled.

5. (currently amended) A battery pack, comprising a housing forming only one compartment; a plurality of battery cells located in an ~~interior~~said one compartment of said housing and having longitudinal axes; and heat-diffusing means for diffusing heat from said battery cells, said heat diffusing means including a wall of said housing which is peripherally adjacent to said battery cells from outside of said battery cells and is shaped so that it forms at least one peripherally closed and uninterrupted duct which extends parallel to said longitudinal axes of said battery cells from one axial side to another side of said housing, is open outside at said one and another axial sides, and is closed off in its entirety from ~~the interior~~said one compartment of said housing in which said battery cells are located, for passing a heat-diffusing medium ~~from one axial side to another axial side of said housing between said battery cells, wherein~~ said at least one duct is located in a nip between individual ones of said battery cells and has wall regions that rest in form-locking fashion against said battery cells that are located adjacent to said wall regions.

Claim 6 cancelled.

7. (currently amended) A battery pack as defined in claim 45, wherein said wall regions of said at least one duct include at least partly a heat-conducting material.

8. (previously presented) A battery pack as defined in claim 7, wherein said wall regions of said at least one duct that include said heat-conducting material are recessed so far from outer wall regions of said housing that contact with said heat-conducting material by a user is prevented.

Claims 9-10 cancelled.

11. (currently amended) A battery pack, comprising a housing forming only one compartment; a plurality of battery cells located in an interiorsaid one compartment of said housing and having longitudinal axes; and heat-diffusing means for diffusing heat from said battery cells, said heat diffusing means including a wall of said housing which is peripherally adjacent to said battery cells from outside of said battery cells and is shaped so that it forms at least one peripherally closed and uninterrupted duct which is located between individual ones of said battery cells from one axial side to another axial side of said housing, extends parallel to said longitudinal axes of said battery cells, is open outside at said one and another axial sides, and is closed off in its entirety from the interiorsaid one compartment of said housing in which said battery cells

are located, for passing of a heat-diffusing medium from one axial side to another axial side of said housing between said battery cells, wherein said at least one duct is located in a nip between individual ones of said battery cells and has wall regions that rest in form-locking fashion against said battery cells that are located adjacent to said wall regions.

12. (currently amended) A battery pack, comprising a housing forming only one compartment; a plurality of battery cells located in an ~~interior~~said one compartment of said housing and having longitudinal axes; and heat-diffusing means for diffusing heat from said battery cells, said heat diffusing means including a wall of said housing which is peripherally adjacent to said battery cells from outside of said battery cells and is shaped so that it forms at least one peripherally closed and uninterrupted duct which is located between a plurality of individual ones of said battery cells, extends parallel to said longitudinal axes of said battery cells, is open outside at said one and another axial sides, and is closed off in its entirety from ~~the interior~~said one opening of said housing in which said battery cells are located, for passing of a heat-diffusing medium from one axial side to another axial side of said housing between said battery cells, wherein said at least one duct is located in a nip between individual ones of said battery cells and has wall regions that rest in form-locking fashion against said battery cells that are located adjacent to said wall regions.